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17. A method for producing an amplified amount of DNA from a template RNA, said method comprising:

- (a) preparing an aqueous reaction mixture comprising:
- (i) said RNA template;
  - (ii) a mutant thermostable DNA polymerase;
  - (iii) a mutant reverse transcriptase;
  - (iv) dNTPs
  - (v) buffer reagents; and
  - (vi) at least one nucleic acid primer;
- (b) subjecting said reaction mixture at a first set of reverse transcription reaction conditions suitable for reverse transcription of said RNA template into cDNA; and
- (c) subjecting said reaction mixture at a second set of PCR conditions suitable for amplification of said cDNA;
- whereby an amplified amount of DNA is produced from a template RNA.

18. The method according to Claim 17, wherein said reaction mixture further includes an antibody specific for said mutant thermostable polymerase.

19. The method according to Claim 17, wherein said reaction mixture further comprises a glycine based osmolyte.

20. The method according to Claim 17, wherein said reaction mixture further comprises a thermostabilizing reagent.

21. The method according to Claim 17, wherein mutant thermostable polymerase is an N-terminal deletion mutant of Taq polymerase.

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